

WHAT IS CLAIMED IS:

1. An electronic apparatus, comprising: a housing; a mounting plate having an electronic device mounted thereon and fixedly connected with said housing, said
5 mounting plate being formed with a through bore; a supporting plate fixedly connected with at least one of said housing and said mounting plate and formed with a through bore; a cooling fan device intervening between and supported by said mounting plate and said supporting plate, and adapted to ventilate said housing through said through bore of said mounting plate and said through bore of said supporting plate; and a
10 resilient member disposed between said cooling fan device and said mounting plate and between said cooling fan device and said supporting plate to absorb vibrations of said cooling fan device while said cooling fan device is being driven to ventilate said housing to cool said electronic device.
- 15 2. An electronic apparatus as set forth in claim 1, in which said cooling fan device has a first surface and a second surface opposing to and spaced apart from each other, said mounting plate and said supporting plate have respective complementary portions forming in cooperation a holding portion for holding said cooling fan device, and at least said first surface and said second surface of said cooling fan device are opposing to
20 and held in resiliently pressing contact with said holding portion with said resilient member disposed therebetween.
3. An electronic apparatus as set forth in claim 2, in which said mounting plate includes a first holding section, said supporting plate includes a second holding section,
25 said first holding section and said second holding section collectively serve as said holding portion, said cooling fan device has a first contact surface and a second contact surface opposing to and spaced apart from each other, a top surface and a bottom surface opposing to and spaced apart from each other and substantially in perpendicular relationship with said first contact surface, and a pair of side surfaces opposing to and
30 spaced apart from each other and substantially in perpendicular relationship with said first contact surface and said bottom surface, said first contact surface, said side surfaces, and said bottom surface are opposing to and held in pressing contact with said first holding section of said mounting plate, and said second contact surface and said top surface are opposing to and held in pressing contact with said second holding section of
35 said supporting plate.

4. An electronic apparatus as set forth in claim 3, in which at least one of said side surfaces is opposing to and held in pressing contact with both of said first holding section of said mounting plate and said second holding section of said supporting plate.
- 5 5. An electronic apparatus as set forth in claim 3, in which said mounting plate is fixedly connected with said supporting plate under the state that said cooling fan device and said resilient member are intervening between and supported by said mounting plate and said supporting plate.
- 10 6. An electronic apparatus as set forth in claim 1, in which said housing is partly constituted by one of said mounting plate and said supporting plate.
7. An electronic apparatus as set forth in claim 6, in which said one of said mounting plate and said supporting plate constitutes a plane of said housing, and said
15 plane has a base portion and a protruded portion integrally formed with and protruded outwardly of said base portion to have said cooling fan device partly received therein.
8. An electronic apparatus as set forth in claim 1, in which said resilient member has a first resilient portion disposed between said cooling fan device and said mounting
20 plate and a second resilient portion disposed between said cooling fan device and said supporting plate, and said first resilient portion and said second resilient portion are connected with each other.
9. An electronic apparatus as set forth in claim 2, in which said resilient member
25 has an inserting portion to have said cooling fan device slidably received therethrough.
10. An electronic apparatus as set forth in claim 1, in which said cooling fan device is operative to exhaust said air in said housing.
- 30 11. An electronic apparatus as set forth in claim 1, in which said electronic device is a disk drive unit.
12. An electronic apparatus as set forth in claim 1, in which said electronic apparatus is to be assembled in a vehicle.

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